



Case study 05

École des 2 Rivières

Located in Saint-Lucien, Québec, this new elementary school provides a modern and sustainable learning environment for 192 students. Designed in line with Ministry of Education of Quebec guidelines, the project includes eight classrooms, shared learning spaces, and integrated outdoor areas.



Client: Des Chênes School Service Centre
2019 – 2023



Climate and Energy

Fully heated and cooled using electricity only, with no on-site fossil fuel use

High-efficiency heat pump system with exhaust air heat recovery to optimize energy performance

Estimated annual avoidance of approximately 34 tCO₂e compared to a typical elementary school



Circular Economy and Materials

Wood-based structure combined with steel to reduce carbon impacts

Use of wood throughout the building, including exposed beams, to lower embodied carbon and create a warm interior environment

Biophilic architectural approach and interior use of natural materials, including a monumental wooden staircase and tiered seating



Learning Environment and Well-Being

Classrooms and shared spaces designed for abundant natural light

Warm, natural materials and playful spaces that support student comfort and focus

Flexible learning spaces, including a central learning hub and areas for group work



Community

Double gymnasium supporting community use beyond school hours

Landscaped school park and outdoor play areas integrated into the site

Direct connections between indoor spaces, the schoolyard, and the neighboring community park